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YJCM ASME - Journal of Engineering Materials and Technology, 2003 - link.aip.org

Strength tests were performed to reveal the failure mechanisms of spot weld

in lap-shear and cross tension test samples. It is shown ...

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### [PDF] Static and fatigue behavior of **spot-welded** 5182-0 aluminum alloy sheet

A Gean, SA Westgate, JC Kucza, JC Ehrstorm - WELDING JOURNAL-NEW YORK-, 1999 - aws.org

... Spot Weld Electrode Force Aluminum Sheet Automotive Shear Strength Resistance Welding Fatigue Strength ... The shear and cross-tension test samples were made ...

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Z Feno, ML Santella, SA David, RJ Steel, SM ... - Transactions of SAE, 2005 - ornl.gov

... Figure 9 Peak loads from cross-tension test ... This study investigated the feasibility of friction stir spot welding advanced high-strength steel sheet metal for ...

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MD TUMULURU - Welding Journal, 2006 - aws.perusion.com

... placed at 90 deg to each other and a spot weld was made at ... 10, all shear and cross-tension test samples were prepared with a speci- fied weld size of ...

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#### **ICITATION**] Sizing of **spot welds** by elastic/plastic analysis

RA Smith - Fracture and Fatigue: Elasto-plasticity, Thin Sheet, ..., 1980 - Pergamon Cited by 3 - Related articles

#### Development of porous steel structures for steam turbines

U Dilthey, A Ghandehari, R Kopp, P Hohmeier, ... - Advanced engineering materials, 2001 - interscience, wiley.com ... a result of it an irregular weld spot is formed ... Test arrangement for cross-tension test and the resulting maximum ... welding pressures (30, 50, 70 bar) at constant ...

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#### [PDF] Development of appropriate resistance **spot welding** practice for transformation-hardened ...

WL Chuko, JE Gould - Proceedings of Sheet Metal Welding Conference IX - eere.energy.gov

... Mechanical Properties Relationships.......22 5.6 Suitability of

Downsloping for Production Spot Welding......22 6.0 ...

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#### Influence of weld parameters on the mechanical properties of spot-welded Fe-Mn-Al-Cr alloy

CJ Lin, JG Duh, MT Liao - Journal of Materials Science, 1993 - Springer

... a cross-tension test, respectively. Before weld- ing, the specimens were ground with # 400 SiC paper to a final thickness of 0.9 mm and then spot welded at 220 ...

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### Effect of weld nugget size on overload failure mode of resistance spot welds

M Pouranvari, HR Asgari, SM Mosavizadch, ... - Science and Technology of **Welding** &# 38; Joining, 2007 - ingentaconnect.com

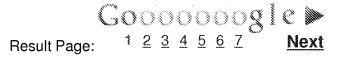
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K Mori, T Kato, Y Abe, Y Ravshanbek - CIRP Annals-Manufacturing Technology, 2006 - Elsevier ... pre-drilled hole unlike the conventional riveting, the joining speed is the same level with that of the **spot welding**, and the ... (a) **Cross-tension test** (b) Tension ...

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